

ABSTRACT OF THE INVENTION.

[0044] The present invention provides a system and method for optimizing a cache that substantially eliminates reduces the disadvantages of previously developed cache management systems. More particularly, embodiments of the present invention provide a system of optimizing a cache by polling cached assets with a frequency dependent of the relative activity of a cached asset. An embodiment of the method of the system includes the steps of: (i) polling a cached asset according to a first schedule to determine if the cached asset has been active within a first predefined period of time; (ii) if the cached asset has not been active, polling the cached asset according to a second schedule to determine if the cached asset has been inactive for at least a second predefined period of time; (iii) demoting the cached asset to less active status; and (iv) if the cached asset has been inactive for at least within the second predefined period of time, demoting the cached asset to inactive status. In one embodiment of the present invention, if the cached asset has been active within the second predefined period of time, the cached asset can again be polled according to the first frequency. The frequency with which the cached asset can be polled according to the first and second schedule can be a matter of optimization. Polling according to the first schedule can occur at a greater frequency than polling according to the second schedule. Thus, more active assets can be polled more often than less active assets.